

Assignment No: 1

1) Define a problem Statement and give a brief executive Summary Snapshot.

A] Executive Summary

B] Project Description

C] Project Scope

-> 1] Executive Summary:-

i] climate change:- extreme weather events, changing precipitation patterns and increase the risk of crop failure

ii] Soil Degradation:- Intensive farming practices, deforestation, and overuse of chemical fertilizers and pesticides degrade soil quality.

iii] water scarcity:- Agriculture is a major consumer of freshwater, and water scarcity, ~~ex~~

iv] Pest and Disease Pressure:- Increased pest resistance and the spread of diseases, often due to monoculture practices, challenge farmers' ability to protect crops, leading to potential losses.

2] Project Description:-

i] This project aims to develop and implement sustainable farming practices that increase crop productivity, conserve natural resources, and improve the livelihoods of farmers. The project will focus on addressing the challenges of climate change, soil degradation, water scarcity, and economic volatility that currently hinder agricultural productivity.

ii] Improved crop productivity and profitability for participating farmers

iii] enhanced soil fertility and water efficiency, leading to long-term agricultural sustainability.

- iv] Increased resilience of farming systems to climate change impacts.
- v] The project is planned for a duration of 3 years with regular monitoring and evaluation to track progress and make adjustment as needed.

Project Scope :-

- i] The project scope for a farming initiative outlines the boundaries, deliverables, and key activities of the project. Here's a detailed project scope for a farming project focused on sustainable agriculture.
- ii] This project scope provides a clear framework for what will be achieved, the methods to be employed, and the boundaries of the project.